

TIME MACHINE

APPLICATION FOR TIMETABLE PREPARTION IN HSS
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HELP FILE

TIME MACHINE is an intelligent school timetable generation application designed to create, manage, optimise, print, and export school timetables efficiently.

The application supports:

- Manual timetable preparation
- Automatic timetable generation
- Hybrid timetable generation
- OFF period protection
- Timetable optimisation
- PDF/Excel export
- Print-ready timetable views

The system is designed to work effectively, but still requires multilevel checking and re allocations to make it a complete timetable making software, so it claims above 90% work efficiency only.

IT IS AN ONLINE/WEB APPLICATION . SO IT RUNS IN ALL OPERATING SYSTEMS, MOBILE OHONES ETC. IT IS BETTER TO RUN IN DESKTOP/LAPTOPS. THE DATA IS STORED LOCLLY IN BROWSERS, SO , OPEN THE SOFTWARE IN SAME BROWSER TO GET THE PREVIOUS DATA SAVED.

STEPS

1. Basic Settings
2. Classes
3. Subjects
4. Teachers
5. Shared Subjects
6. Manual Timetable
7. Automatic Timetable
8. Reports

1. BASIC SETTINGS:IT INCLUDES NAME OF SCHOOL ,YEAR, WORKING DAYS IN A WEEK, PERIOS PER DAY,ASSEMBLY, SPORTS PERIODS ETC

2. CLASSES:

ADD THE CLASSES HERE. GIVE UNIQUE NAMES FOR ECH CLASSES. CLASS TEACHER FIELD MAY LEAVE BLANK AND SAVE THE CLASS. LATER, AFTER ENTERING THE TEACHERS DETAILS, WE CAN EDIT AND ADD NAME OF CLASS TEACHER

3 SUBJECTS

ADD THE DIFFERENT SUBJECTS HERE. GIVE SUBJECT NAME , SUBJECT CODE/SHORTNAME ,WEEKLY PERIODS,THEORY/LAB ETC.Second languages should first be added here and then configured in the Shared Subjects section if they are shared by two or three teachers/classes.The Practical and Theory sections of a subject may be added separately.If a subject is split/shared by two teachers in a class, treat it as separate subjects and add them using different names.Example: Accounting total 6 hour and shared by 2 techers , then add 2 Accountings for this class as Accounting_R – 3 hrs,Accounting_H – 3 hrs.

4 TEACHERS

ALL TEACHERS SHOULD BE ADDED HERE. THE SHORTNAME/CODE OF TEACHERS MUST BE UNIQUE.There are two sections here including teacher availability settings. Enter the correct number of weekly periods and daily limit for accurate timetable generation.

5 SHARED SUBJECTS

It is to Configure parallel language / elective groups where students split into different subjects during the same period. Mainly it is required for second languages in HSS. The same class shares same period with different languages. Add 'group name' for the shared subject and add subjects included in it with name teachers dealing that subject ,classes involved etc. and save it.

6 MANUAL TIMETABLE

IN THIS SECTION , WE CAN MANUALLY SET THE TIME TABLE. INORDER TO ASSIGN SUBJECT FOR EACH PERIOD,CLICK AND SELECT THE SUBJECT FROM THE LIST SHOWN.THE REMAINING PERIOD FOR THE SUBJECTS APPLICABLE TO THE SELECTED CLASS WILL BE DISPLAYED THERE.YOU CAN ASSIGN SUBJECTS UPTO THE FULLFILLMENT OF REQUIRED NUMBER. YOU CAN ALSO BLOCK PERIOD FROM ALLOTING SUBJECTS (IN CASE OF AUTOMATIC TIMETABLE) BY SELECTING 'OFF'. TIMETABLE GENERATED HERE WILL NOT BE AVAILABLE IN REPORTS SECTION. SO TAKE OUTPUT IN PDF/PRINT/EXCEL ETC FROM THIS WINDOW ONLY.

7 AUTOMATIC TIMETABLE

HERE THE SYSTEM AUTOMATICALLY SET THE TIMETABLE BASED ON THE CONSTRAINTS GIVEN. IN THIS CASE , IF ANY MANUAL ALLOTMENT FOUND IN MANUAL TIMETABLE SECTION, THE SYSTEM ASKS "Continue from previous manual timetable allocations" OR "Start a fresh timetable". IF SELECT FIRST OPTION i.e 'Continue from previous manual timetable allocations', THE SYSTEM PROTECTS PREVIOUS ALLOCATION AND ALLOCATES SUBJECTS TO BLANK CELLS ONLY.IF SELECTS SECOND OPTION i.e,'Start a fresh timetable', THE SYSTEM MAKES A FRESH TIMETABLE BASED ON ALL CONSTRAINTS GIVEN BY IGNORING PREVIOUS ALLOCATION IN MANUAL TIMETABLE.

8 REPORTS

THIS SECTION IS TO GIVE THE PRINT/PDF/EXCEL OUTPUT GENERATED IN AUTOMATIC TIMETABLE SECTION ONLY. TIME TABLE GENERATED IN MANUAL TIMETABLES SECTION WILL NOT BE AVAILABLE HERE. IF WE OPT FROM "Continue from previous manual timetable allocations" , THE ALLOTTED DATA WILL BE AVAILABLE HERE ALSO. REPORTS AVAILABLE IN CLASSVIEW/TEACHERSVIEW/WEEKLY VIEW ETC.

IN CLASS VIEW OPTION , WE CAN CLICK AND DRAG THE ALLOTTED SUBJECTS TO THE POSSIBLE PLACES/PERIODS. THE FEASIBLE LOCATIONS WILL BE HIGHLIGHTED THERE.

IF THE GENERATED TIMETABLE HAVE BLANK / UNALLOCATED PERIODS , USE THE "OPTIMISE ALLOCATION" BUTTON AVAILABLE IN REPORTS- WEEKLY VIEW SECTION.

AFTER OPTIMISATION, IF ANY BLANK PERIODS EXIST , IT MAY BE DUE TO THE IMPOSSIBLE CONDITIONS/CONSTRAINTS. THEN DO MANUALLY BY EXPORTING TO EXCEL ETC.

FOR ANY FEEDBACK/SUGGESTIONS USE WHATSAPP ONLY . WHATSAPP NO: 9633 888 369